Declassified in Part - Sanitized Copy Approved for Release 2013/03/28 : CIA-RDP80S01540R006600080059-3

50X1-HUM

INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

This material contains information affecting the National Defense of the United States within the meaning of the Espionage Laws, Title 18, U.S.C. Secs. 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law.

S-E-C-R-E-T

50X1-HUM

COUNTRY East Germany

REPORT

SUBJECT Specifications of New Amphibious Vehicle to be Produced in 1955

DATE DISTR. 23 May 1955

NO. OF PAGES 3

DATE OF INFO.

REQUIREMENT NO. RD 50X1-HUM

PLACE ACQUIRED

REFERENCES

DATE ACQUIRED 50X1-HUM

SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

The technical details of the new amphibious vehicle to be produced in small quantities for the KVP during 1955, are as follows:

Length	4950 mm.
Width	1850 "
Height including roof	1850 "
Wheel base	2250 "
Track: back	1400 "
front	1400 "
Clearance	280 "
Overhang: back	38°
front	38°
Turning circle	10.8 meters
Weight: empty	1800 kgs.
maximum load	400 "
Performance - loaded:	
top speed	90 km/hr.
bottom speed	3.5 km/hr.
hill climbing - with friction coefficient of 0.015	77%
in sand F: 0.2	43%
Body: construction	steel
seats: front	2
back	2
door	none
windshield	divided and adjustable
side windows	removable

S-E-C-R-E-T

50X1-HUM

STATE	X	ARMY EV	X	NAVY	X	AIR	X	FBI		AEC		ORR EV	X	

(Note: Washington distribution indicated by "X"; Field distribution by "#".)

INFORMATION REPORT INFORMATION REPORT

Declassified in Part - Sanitized Copy Approved for Release 2013/03/28 : CIA-RDP80S01540R006600080059-3

Declassified in Part - Sanitized Copy Approved for Release 2013/03/28 : CIA-RDP80S01540R006600080059-3

[redacted] 50X1-HUM

Engine:	cylinders	4-stroke OTTO 6 in line
	capacity	2.4 liters
	bore	78 mm.
	stroke	84 "
	compression	116.3
	top capacity	60 HP at 1750 revs/min.
	greatest engine torque	16.1 mkgs at 1750 revs/min.
	lubrication	dry
Electrical equipment:	dynamo	12 volt 130 watt
	starter	1 HP
	battery	12 volt 56 amp hrs.
Carburetor		transverse draft carb. 36
Cooling		water pump circulation with fan and radiator in front of engine plus air cooling (Kuehlgeblaese)
Clutch		K 12 with 2 plates
Gears		Not synchronized. Four-speed gear box: 0.8,1.25, 2.15, 3,84
		With flange mounted two stage
		compensating distributor gears (1.02 and 1.25)
		(Angeflanschtes zweistufiges Ausgleich-Verteilergetriebe, sic.)
		Starting mechanism
		(Anwerfgetriebe mit Luft . . . . . Antrieb, sic.)
Gear change		Gear stick
Transmission		1 to front axle 1 to rear axle 1 to propeller drive
Frame		2 parallel box-shaped longitudinal with similar transverse, with additional spare

[redacted] 50X1-HUM

Declassified in Part - Sanitized Copy Approved for Release 2013/03/28 : CIA-RDP80S01540R006600080059-3

Declassified in Part - Sanitized Copy Approved for Release 2013/03/28 : CIA-RDP80S01540R006600080059-3

[redacted] 50X1-HUM

Wheel suspension and springs:	
Front:	double shaft with front bearings resting in frame and connected with crankshaft. Jacketed muffler is on lower shaft. (doppelte, vorn in Rahmen gelagerte, Lanschwingen, eine mit Drehstab verbunden. Hülsen-Stossdämpfer an Schwinge).
Back:	twin shaft with front bearings resting in frame. Upper shaft is only a supporting shaft, lower shaft is geared to the center of the wheel and connected with the crankshaft. An encased muffler is on the lower shaft. (doppelte vorn im Rahmen gelagerte Langschwinge. Obere nur Stuetzschwinge, untere in Radmitte angreifend mit Drehstab verbunden. Hülsen-Stossdampfer an unterer Schwinge.
Brakes	Hydraulic 4-wheel Cable handbrake on rear wheels
Wheels	run 4.50 E x 16 tires 6.50 x 16 special cross-country Spare wheel carried outside on back
Steering	Spindle
Gasoline capacity	100 liters
Lubricating	Gruppenschmierung (group lubricating)
Foot controls	Cables

[redacted] 50X1-HUM

[redacted]

S-E-C-R-E-T

[redacted] 50X1-HUM

Declassified in Part - Sanitized Copy Approved for Release 2013/03/28 : CIA-RDP80S01540R006600080059-3